

## WHAT IS CLAIMED IS:

1. An information displaying system, comprising:

an A/D converting means for converting analog RGB signals inputted from a first input terminal to first digital RGB signals;

a selecting means for selecting either second digital RGB signals inputted from a second input terminal or said first digital RGB signals based on the inputted order, and for outputting third digital RGB signals being selected digital RGB signals;

a screen mixing means that makes said third digital RGB signals store in a first memory and also makes digital information data inputted from a third input terminal store in a second memory, and detects sizes of said third digital RGB signals and said digital information data, and calculates designated control information so that said digital information data are displayed at outsides of a displaying region of said third digital RGB signals by mixing said digital information data with said third digital RGB signals, and generates a synchronization signal based on said designated control information, and reads said third digital RGB signals from said first memory and said digital information data from said second memory based on said synchronization signal, and forms displaying data by mixing said third digital RGB signals read from said first memory and said digital information data read from said second memory; and

a displaying means for displaying said displaying data.

2. An information displaying system in accordance with claim 1, wherein:

said designated control information consists of a dot clock frequency, a horizontal synchronizing frequency, a vertical synchronizing frequency, a front porch, a back porch, and a pulse width, in order that said displaying data are displayed on said displaying means.

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said screen mixing means forms said displaying data so that said digital information data are displayed on at least one or two or more regions of upper, lower, right, and left end parts outside said displaying region of said third digital RGB signals.

said screen mixing means outputs said displaying data by applying scaling to said displaying data so that said displaying data correspond to the resolution of said displaying means.

said screen mixing means outputs said displaying data by converting said displaying data to analog RGB signals.

an D/A converting means for converting said displaying data to analog RGB signals.